INSECT INFESTATIONS OF THE KOOTENAI NATIONAL FOREST

The following tables and maps will show the areas of white pine timber stands that have been infested by the mountain pine beetle, and all the available data relative to the infestations, recommendations, and control measures.

In the column of "Trees Treated" the figure does not necessarily mean that the trees were treated during the year under which the figure falls, but only that the control measures were directed against the infestation occurring that year. The trees were often treated in the following spring.

UNIT Forest Summary FOREST Kootenai

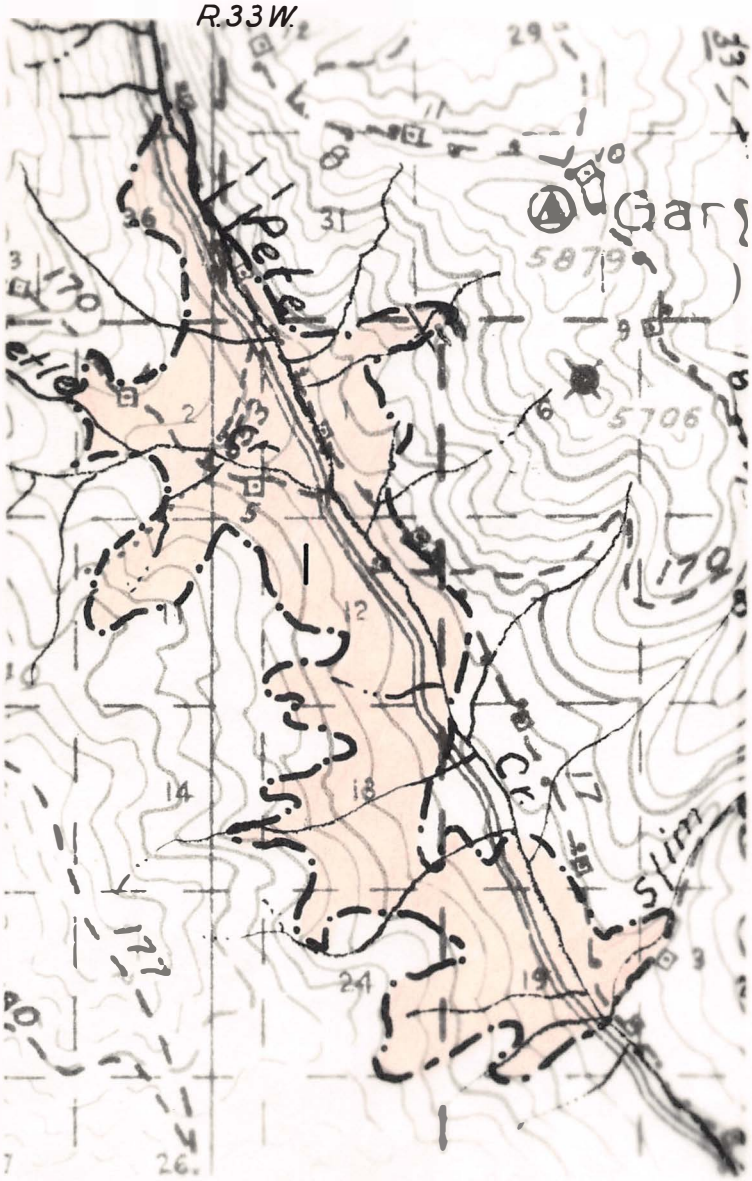
	1932	1933	1934	1935	1936	1938	1939
Acres Surveyed	29504	19453		2900	(1)	39530	(2) 6460
Attacks per Acre	.21	.11		.64		.156	.181
Percent of Change in Status							
Trees Infested	6168	2122		1850		6156	1171
Percent of Stand Infested on Strip							
Acres Recommended for Control	4990	7572		700		4010	
Acres Treated	3986	9601	4389			2720	
Trees Treated	908	3490	2040			1118	
Cost per Tree	3.93	5.39	4.49			6.19	
Total Cost	3570.	18819.	9169.			6929.	

Remarks: (1) No record of surveys or control in 1936 or 1937
(2) Check survey

UNIT Forest Summary FOREST Kootenai

	1925	1926	1927	1928	1929	1930	1931
Acres Surveyed			8375	6488	2500	41350	28718
Attacks per Acre			.45	.98		.11	
Percent of Change in Status							
Trees Infested			3800	6350	245	4610	2850
Percent of Stand Infested on Strip							
Acres Recommended for Control	Pete cr. Meadow Cr.		8375	6488		16120	9438
Acres Treated						(2) 27627	8446
Trees Treated	693	664	1051	2944	2308.	5689	1794
Cost per Tree	3.73	2.54	3.63	2.57	(1)	No Data	
Total Cost	2584.	1689	3814.	7555.			

Remarks: (1) Cost records are not complete but available data show that 1467 trees were treated at a cost of $5778.66
(2) Estimated on two small areas.
(3) Cost records are not complete - Data show that 898 of the trees were treated at a cost of $3279



I. PETE CR.

UNIT Pete Creek (1) FOREST Kootenai

	1938	1939					
Acres Surveyed	2880						
Attacks per Acre	.041						
Percent of Change in Status							
Trees Infested	118						
Percent of Stand Infested on Strip	46						
Acres Recommended for Control							
Acres Treated							
Trees Treated							
Cost per Tree							
Total Cost							

Remarks:

UNIT Pete Creek FOREST Kootenai

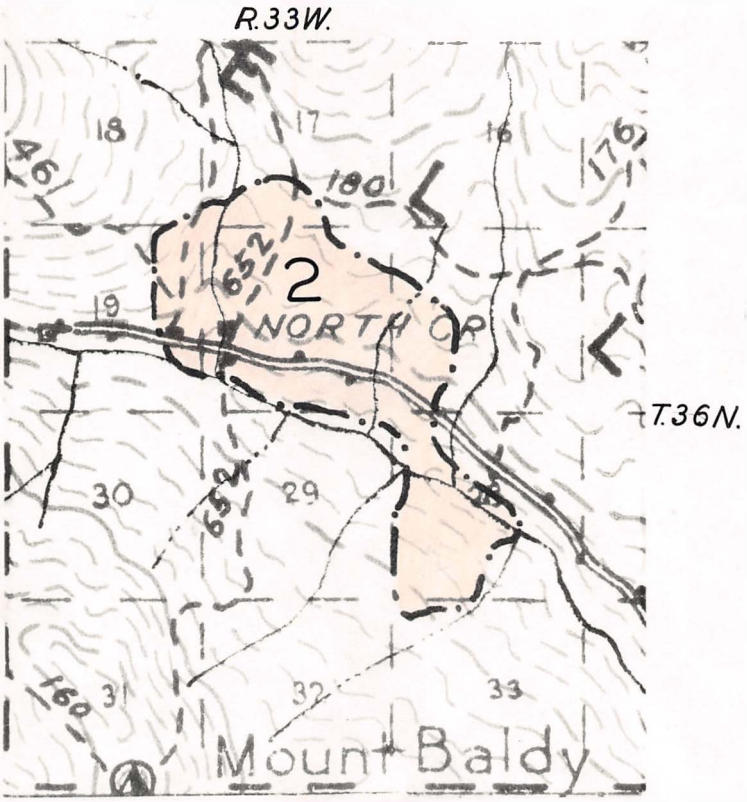
			1933	1934	1935		
Acres Surveyed							
Attacks per Acre					.09		
Percent of Change in Status							
Trees Infested							
Percent of Stand Infested on Strip							
Acres Recommended for Control							
Acres Treated			4257	2895			
Trees Treated			2570	8.55			
Cost per Tree				5.12			
Total Cost			11276.	4377.60			

Remarks:

UNIT Pete Creek FOREST Kootenai

	1924	1925	1926	1927	1928	1929	1930
Acres Surveyed WP	No Data	No Data	No Data	1375 Est.	850		
Attacks per Acre Dm.	.156	.222	"	.200	1.53		
Percent of Change in Status		+42	"		+665		
Trees Infested			259 Est.	300	1200 to 1500		
Percent of Stand Infested on Strip							
Acres Recommended for Control		Control Recommended	Control Recommended		Recommended if possible		
Acres Treated		No Data					
Trees Treated		693	664	636			
Cost per Tree		$3.73	$2.54	$3.28			
Total Cost		$2584	$1689	$2088.30			

Remarks:


R.33W.
18
17
16
461
180
652
2
19
NORTH
T.36N.
30
29
654
160
31
32
33
Mount Baldy

2. SPREAD CR.

UNIT Spread Creek (2) FOREST Kootenai

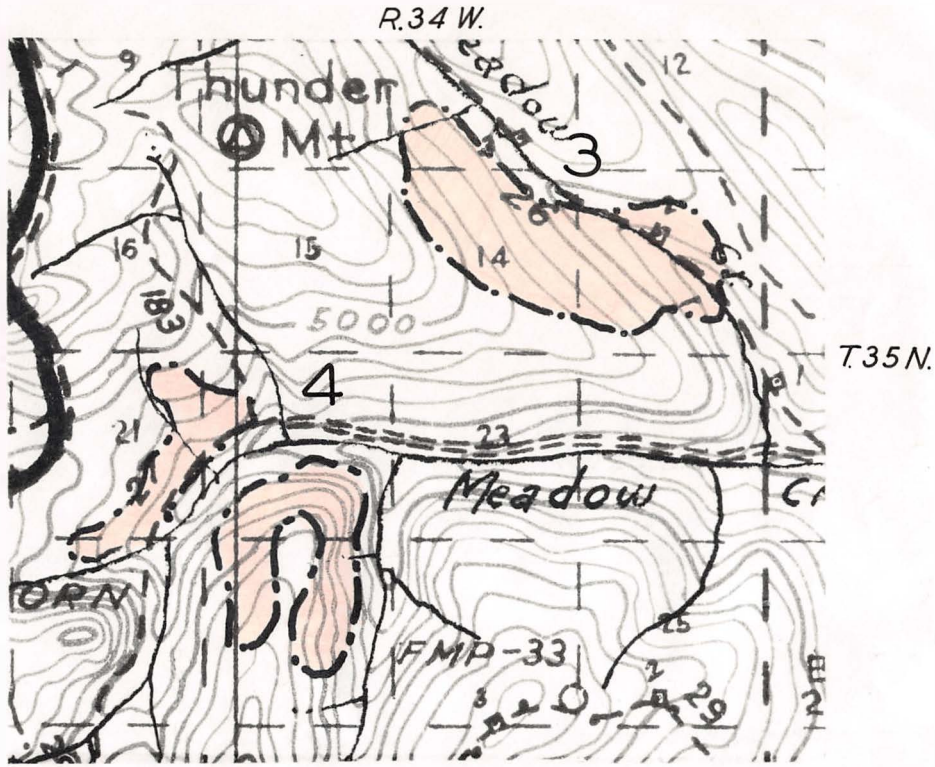
	1938	1939					
Acres Surveyed	1280						
Attacks per Acre	0						
Percent of Change in Status							
Trees Infested	0						
Percent of Stand Infested on Strip	0						
Acres Recommended for Control							
Acres Treated							
Trees Treated							
Cost per Tree							
Total Cost							

Remarks:

UNIT Spread Cr. FOREST Kootenai

			1932	1933	1934	1935	
Acres Surveyed			600	732			
Attacks per Acre			.748	.187		.01	
Percent of Change in Status							
Trees Infested			450	137			
Percent of Stand Infested on Strip							
Acres Recommended for Control			600	732			
Acres Treated			732		878		
Trees Treated			222		903		
Cost per Tree			5.16		3.43		
Total Cost			1145.		3097.		

Remarks:



3. NORTH MEADOW CR.
4. SOUTH MEADOW CR.

UNIT North Meadow Creek (3) FOREST Kootenai

	1938	1939					
Acres Surveyed	800						
Attacks per Acre	.280						
Percent of Change in Status							
Trees Infested	224						
Percent of Stand Infested on Strip	1.45						
Acres Recommended for Control							
Acres Treated							
Trees Treated							
Cost per Tree							
Total Cost							

Remarks:

UNIT North Meadow Cr. FOREST Kootenai

					1935	1936	
Acres Surveyed					700		
Attacks per Acre					1.2		
Percent of Change in Status							
Trees Infested					840		
Percent of Stand Infested on Strip							
Acres Recommended for Control					700		
Acres Treated							
Trees Treated							
Cost per Tree							
Total Cost							

Remarks:

(4)

UNIT South Meadow Creek FOREST Kootenai

	1938	1939					
Acres Surveyed	600						
Attacks per Acre	.068						
Percent of Change in Status							
Trees Infested	40						
Percent of Stand Infested on Strip	.38						
Acres Recommended for Control							
Acres Treated							
Trees Treated							
Cost per Tree							
Total Cost							

Remarks: This Unit included both forks until 1935

UNIT South Fork Meadow Creek FOREST Kootenai

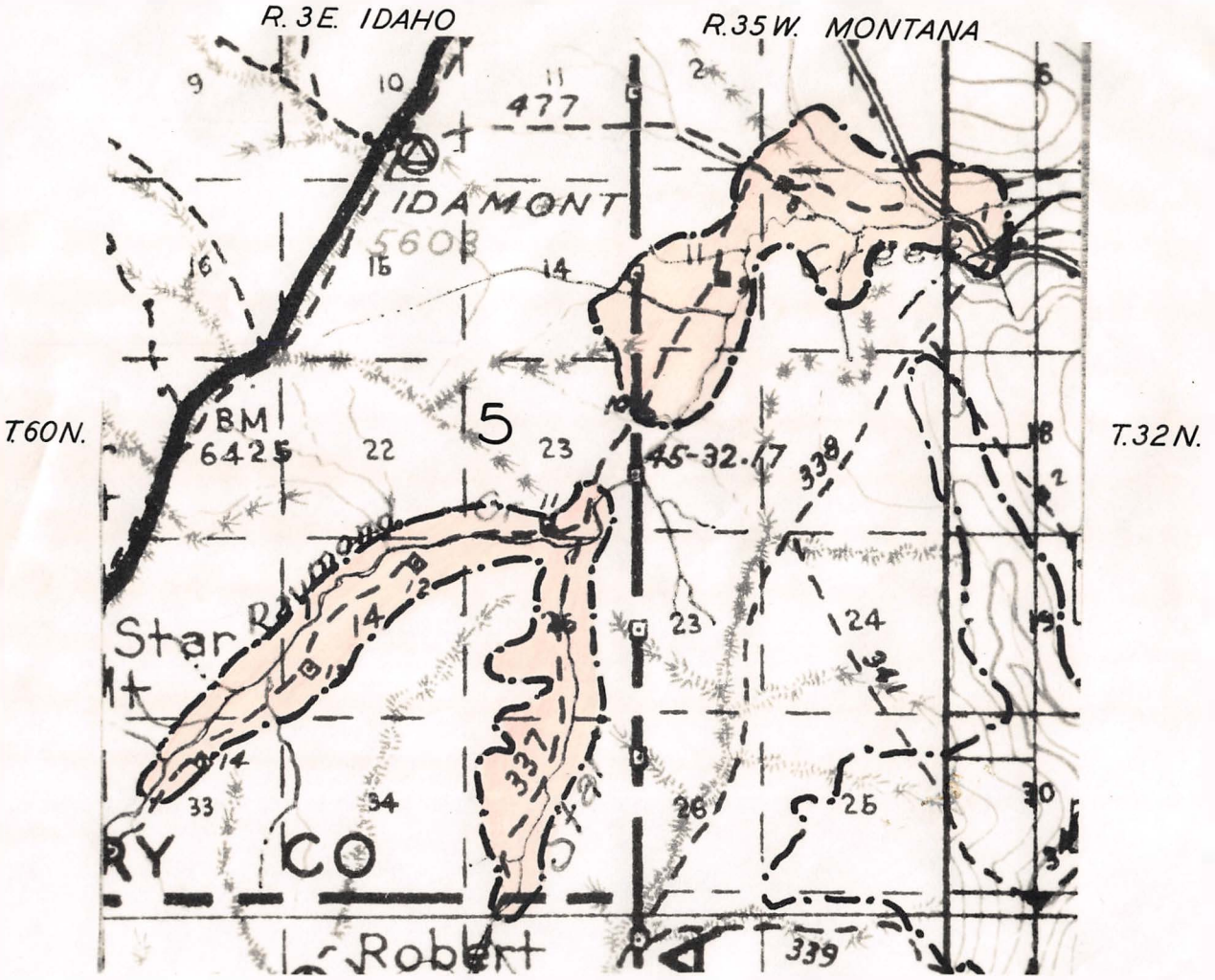
	1931	1932	1933	1934	1935		
Acres Surveyed	1925	1925	(1) 2320		350		
Attacks per Acre	.14	.555	(1) .125		1.6		
Percent of Change in Status							
Trees Infested	268	1068	290		560		
Percent of Stand Infested on Strip							
Acres Recommended for Control	1925	1925	2320				
Acres Treated			1393				
Trees Treated			328				
Cost per Tree			6.69				
Total Cost			2194.				

Remarks: (1) South Fork No infestation found in the North Fk.

UNIT South Meadow Creek FOREST Kootenai

	1924	1925	1926	1927	1928	1929	1930
Acres Surveyed				4000	2000	None	(1) 9000
Attacks per Acre		None Recorded		.49	2.3		
Percent of Change in Status							
Trees Infested				2000	2,200 to 2,500	Estimate 450	375
Percent of Stand Infested on Strip							
Acres Recommended for Control		Control Recommended		4000	Recommended		900
Acres Treated							1925
Trees Treated							624
Cost per Tree							
Total Cost							

Remarks: (1) Included both forks.


R. 3E. IDAHO
R. 35W. MONTANA
T. 60N.
T. 32N.
IDAMONT
BM
6425
5
22
23
45-32-17
Star Ranch
Robert
339
5. STAR CR.

UNIT Star Creek (5) FOREST Kootenai

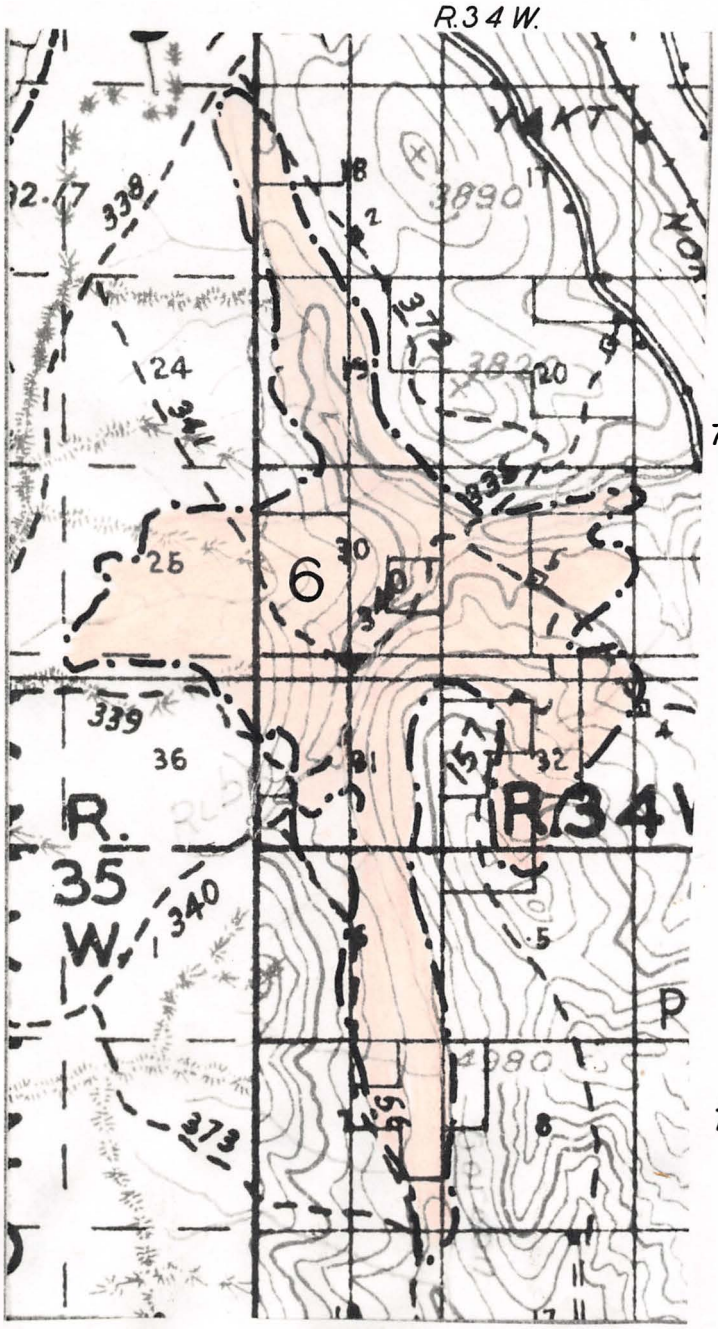
	1938	1939					
Acres Surveyed	2400	2400					
Attacks per Acre	.716	.122					
Percent of Change in Status		- 83					
Trees Infested	1718	292					
Percent of Stand Infested on Strip	5.09						
Acres Recommended for Control							
Acres Treated							
Trees Treated							
Cost per Tree							
Total Cost							

Remarks: There three areas in this unit - Lower Star Cr. 1000 acres - Upper Star cr. 700 acres, and Raymond cr. 700 acres.

UNIT Star Creek FOREST Kootenai

	1929	1930	1931	1932	1933	1935	
Acres Surveyed		3100		2330	2330	1850	
Attacks per Acre				.25	.28	.26	
Percent of Change in Status							
Trees Infested		70		580	652	450	
Percent of Stand Infested on Strip							
Acres Recommended for Control					2330		
Acres Treated					1854		
Trees Treated	521				279		
Cost per Tree	5.76				10.12		
Total Cost	3000.				2823.48		

Remarks:


R.34 W.
T.32 N.
T.31 N.
IDAHO
MONTANA
6
R.
35
W.
R.34
36
25
30
31
32
339
340
373
338
124
3890

6. RUBY CR.

UNIT Ruby Creek (6) FOREST Kootenai

	1938	1939					
Acres Surveyed	3280						
Attacks per Acre	.065						
Percent of Change in Status							
Trees Infested	213						
Percent of Stand Infested on Strip	46						
Acres Recommended for Control							
Acres Treated							
Trees Treated							
Cost per Tree							
Total Cost							

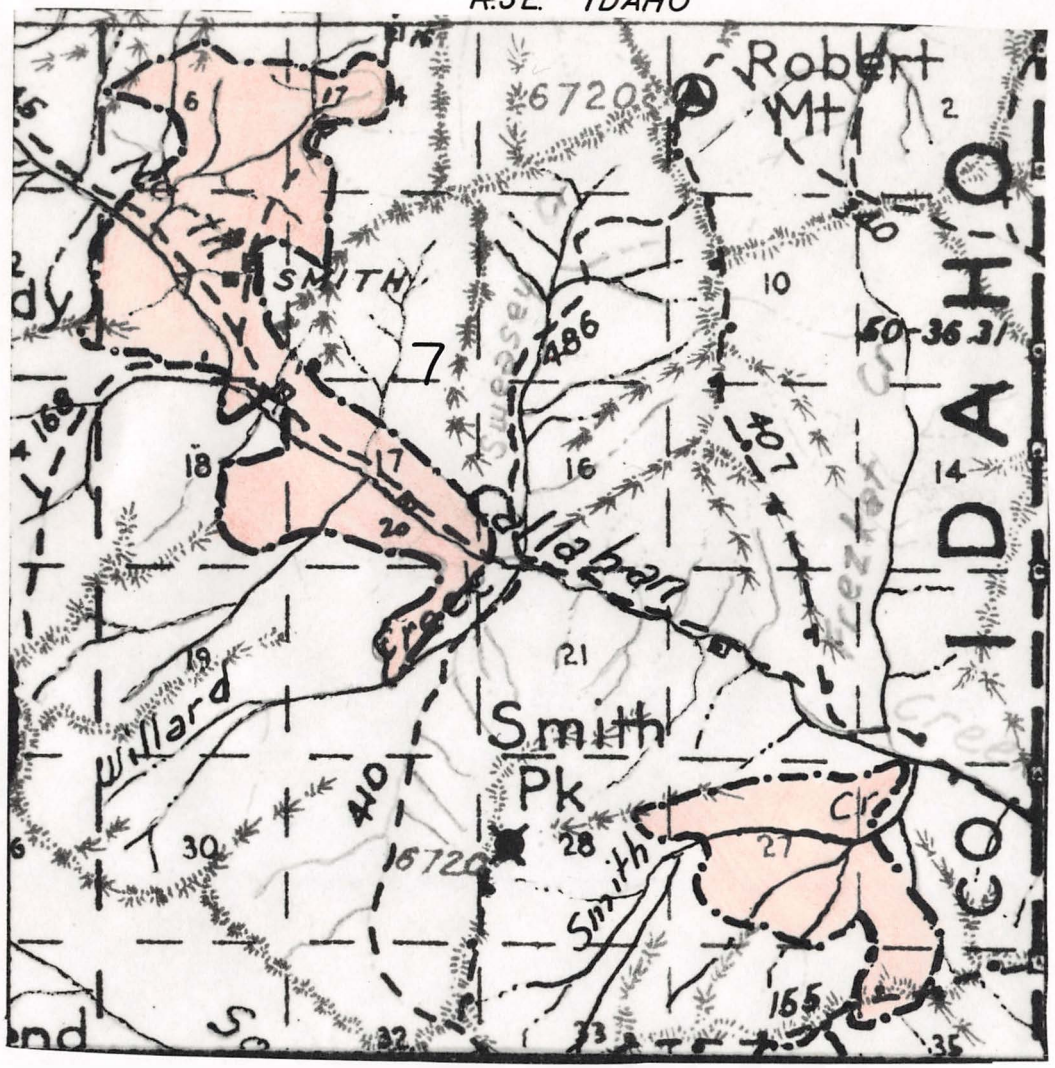
Remarks:

UNIT Ruby Creek FOREST Kootenai

			1932	1933			
Acres Surveyed			(1) 1780	1780			
Attacks per Acre			6.065	.10			
Percent of Change in Status							
Trees Infested			1900	500 Est. 178			
Percent of Stand Infested on Strip							
Acres Recommended for Control							
Acres Treated							
Trees Treated							
Cost per Tree							
Total Cost							

Remarks: (1) 70% of this area in private ownership

R.3E. IDAHO



7 NORTH CALLAHAN CR.

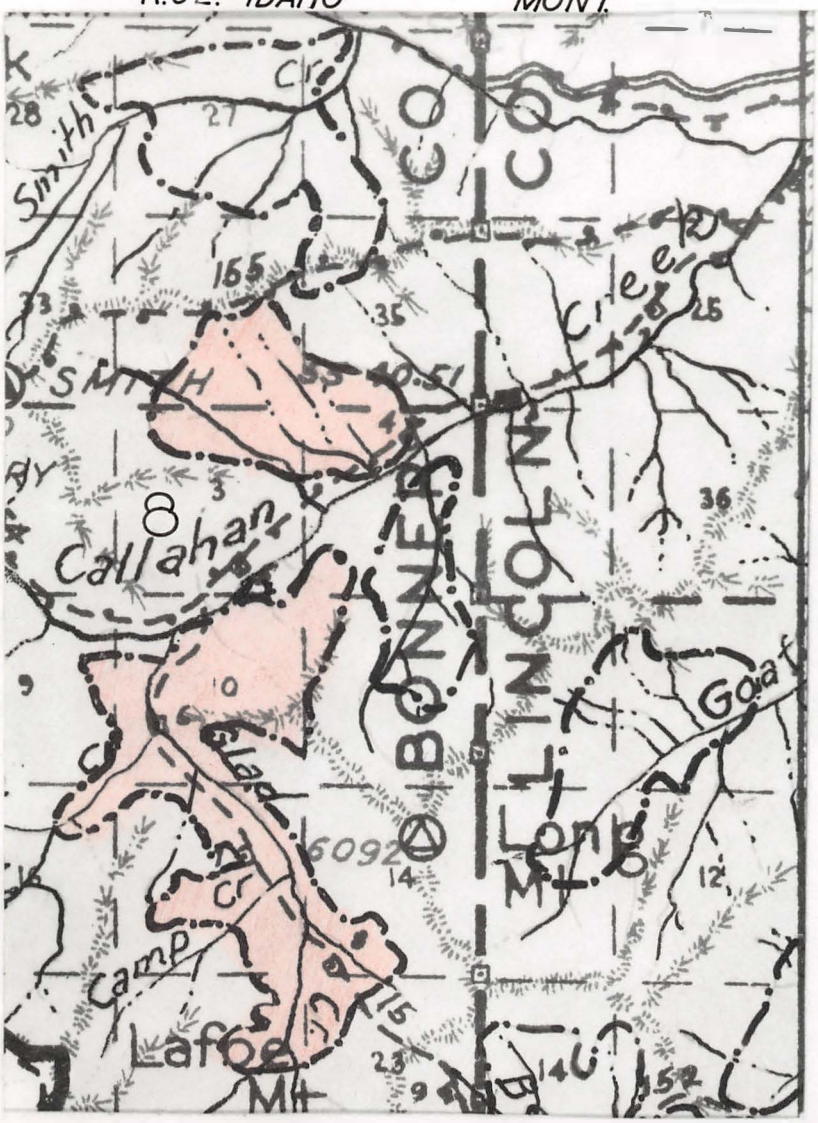
UNIT North Callahan (7) FOREST Kootenai

	1938	1939					
Acres Surveyed	1720						
Attacks per Acre	.114						
Percent of Change in Status							
Trees Infested	196						
Percent of Stand Infested on Strip	2.94						
Acres Recommended for Control							
Acres Treated							
Trees Treated							
Cost per Tree							
Total Cost							

Remarks:

R.3E. IDAHO MONT.

T.58N.

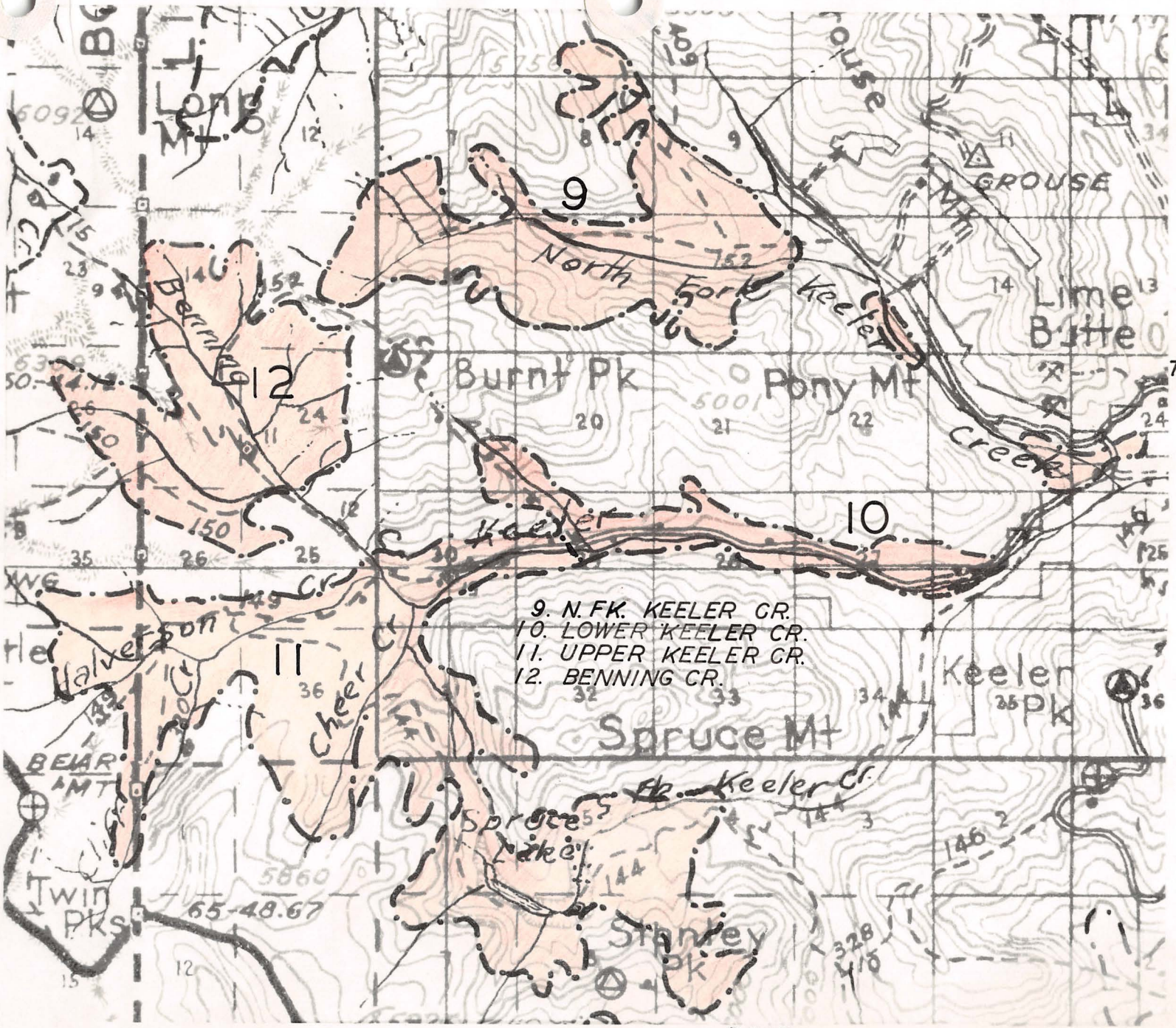


8. SOUTH CALLAHAN CR.

UNIT South Callahan (8) FOREST Kootenai

	1938	1939					
Acres Surveyed	2000						
Attacks per Acre	0						
Percent of Change in Status							
Trees Infested	0						
Percent of Stand Infested on Strip							
Acres Recommended for Control							
Acres Treated							
Trees Treated							
Cost per Tree							
Total Cost							

Remarks:


9
North Fork Keeler
12
Burnt Pk
Pony Mt
10
Keeler Creek
11
Halverson Cr
Cheer
Spruce Mt
Keeler Pk
Spruce Lake
Stanley Pk
Twin Pks
Bear Mt
Grouse Mt
Lime Butte
Benning
9. N. FK. KEELER CR.
10. LOWER KEELER CR.
11. UPPER KEELER CR.
12. BENNING CR.
T. 30 N.
R. 34 W.

UNIT North Keeler Creek (9) FOREST Kootenai

	1938	1939					
Acres Surveyed	1840	1840					
Attacks per Acre	.218	.176					
Percent of Change in Status		-46					
Trees Infested	600	323					
Percent of Stand Infested on Strip	2.3	.92					
Acres Recommended for Control	1840						
Acres Treated	1000						
Trees Treated	500						
Cost per Tree	(1) 6.19						
Total Cost	(1) 3095.						

Remarks: (1) Estimated from whole project

UNIT North Keeler Creek FOREST Kootenai

	1930	1931	1932	1933		1935	
Acres Surveyed	2400	2416	2416	2416			
Attacks per Acre		.12	0	0		.130	
Percent of Change in Status							
Trees Infested	792	289	0	0			
Percent of Stand Infested on Strip							
Acres Recommended for Control	(1) 2400	2416					
Acres Treated	1345 Spring 1931	2580					
Trees Treated	323 S.P. '31 874	260					
Cost per Tree	4.64						
Total Cost	4055.						

Remarks: F.S. Rec.

UNIT Lower Keeler Creek (10) FOREST Kootenai

	1938	1939					
Acres Surveyed	500	500					
Attacks per Acre	.933	.303					
Percent of Change in Status		- 67					
Trees Infested	466	151					
Percent of Stand Infested on Strip	5.76						
Acres Recommended for Control							
Acres Treated							
Trees Treated							
Cost per Tree							
Total Cost							

Remarks:

UNIT Keeler Creek (Lower) FOREST Kootenai

	1930	1931	1932	1933	1934	1935	1936
Acres Surveyed	960	157	480	1400 ~~480~~			
Attacks per Acre		.33	2.14	.088			
Percent of Change in Status							
Trees Infested	280	51	1000	122			
Percent of Stand Infested on Strip							
Acres Recommended for Control	(1) 960	157	480	(2)			
Acres Treated	457	665	1392				
Trees Treated	120	545	403				
Cost per Tree			3.04				
Total Cost			1225.				

Remarks: (1) Forest Service rec.

(2) Included in Benning unit

UNIT Upper Keeler Creek (II) FOREST Kootenai

	1938	1939					
Acres Surveyed	4800						
Attacks per Acre	.028						
Percent of Change in Status							
Trees Infested	120						
Percent of Stand Infested on Strip	.29						
Acres Recommended for Control							
Acres Treated							
Trees Treated							
Cost per Tree							
Total Cost							

Remarks:

UNIT Halverson Cr. (II) FOREST Kootenai

	1930	1931	1932	1933	1934	1935	1936
Acres Surveyed	2120	4340	(3) 6890	4340		(3) 6890	
Attacks per Acre		.07	.046	0		?	
Percent of Change in Status							
Trees Infested	257	303	317	0			
Percent of Stand Infested on Strip							
Acres Recommended for Control	(1) 2120						
Acres Treated	(2) 4540						
Trees Treated	308						
Cost per Tree							
Total Cost							

Remarks: (1) F.S. Recommendation

(2) Includes Cheer Cr.

(3) Includes Benning and Main Keeler Creeks

(3)

UNIT Cheer Creek FOREST Kootenai

	1930						
Acres Surveyed	1400						
Attacks per Acre							
Percent of Change in Status							
Trees Infested	180						
Percent of Stand Infested on Strip							
Acres Recommended for Control							
Acres Treated							
Trees Treated							
Cost per Tree							
Total Cost							

Remarks:

UNIT Keeler and Benning Cr. FOREST Kootenai

	1930	1931	1932	1933	1934	1935	1936
Acres Surveyed	2000	(2) 2550	(3)	(4) 2550		(6)	
Attacks per Acre		.09		.26			
Percent of Change in Status							
Trees Infested	364	229		208			
Percent of Stand Infested on Strip							
Acres Recommended for Control	(1) 2000			2190			
Acres Treated	2550 Spring '31 Benning			(5) 2097			
Trees Treated	503 Ben. Sp. '31 / 161			313			
Cost per Tree	Fall 4.06			8.07			
Total Cost	6.54.			2526.			

Remarks: (1) F.S. Recommendation

(2) Benning Creek only

(3) Included in Halverson unit

(4) Estimate confined to 800 acres

(5) Control area included Lower Keeler Cr.

(6) Included in the Halverson unit

UNIT Spruce Lake FOREST Kootenai

	1930	1931					
Acres Surveyed	1500	1500					
Attacks per Acre		0					
Percent of Change in Status							
Trees Infested	156	0					
Percent of Stand Infested on Strip							
Acres Recommended for Control	1500						
Acres Treated	1255						
Trees Treated	104						
Cost per Tree							
Total Cost							

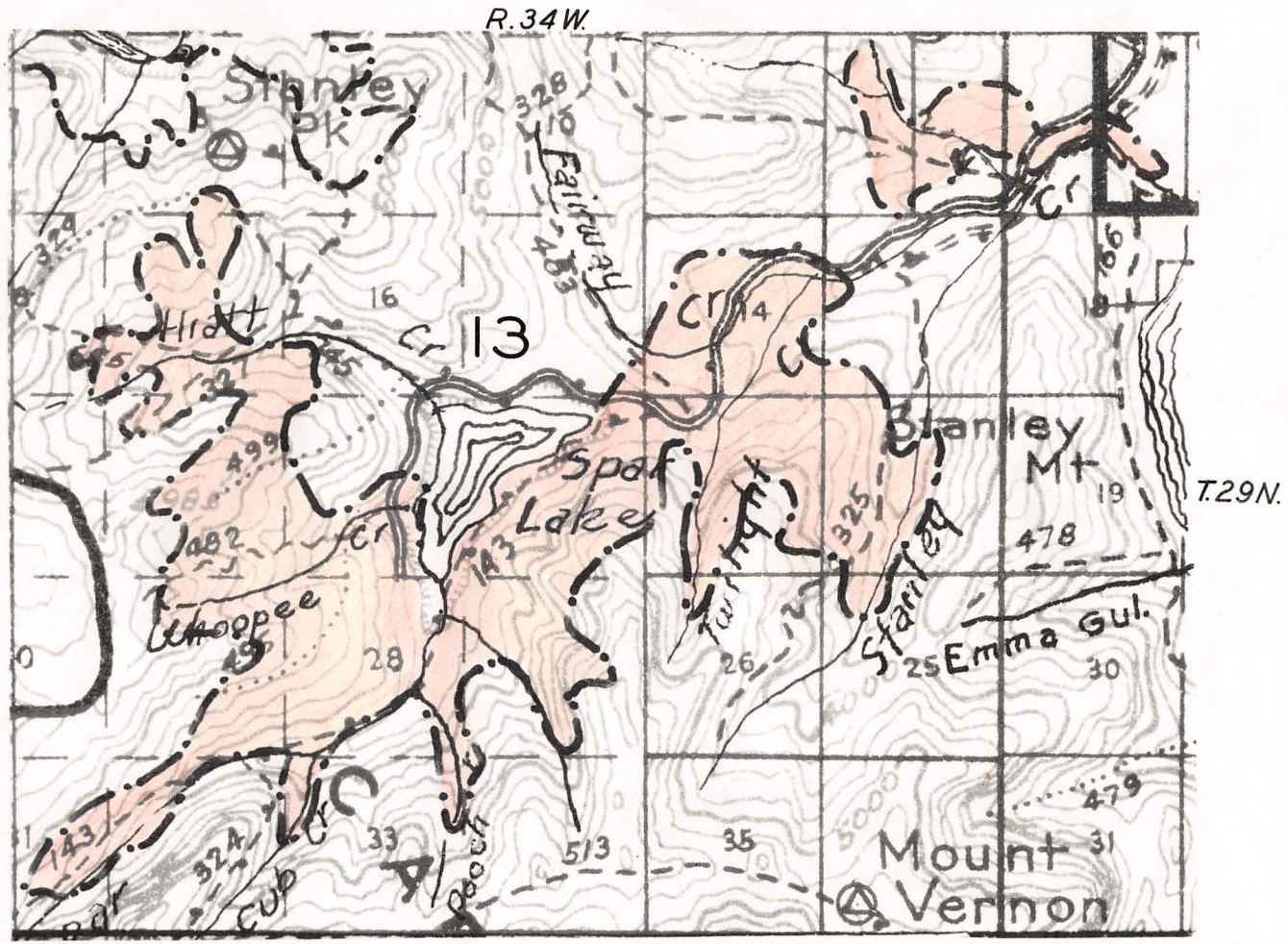
Remarks:

UNIT Benning Creek (12) FOREST Kootenai

	1938	1939					
Acres Surveyed	1720	1720					
Attacks per Acre	.421	.236					
Percent of Change in Status		- 44					
Trees Infested	724	405					
Percent of Stand Infested on Strip	2.2	.50					
Acres Recommended for Control	1720						
Acres Treated	1720						
Trees Treated	618						
Cost per Tree	(1) 6.19						
Total Cost	(1) 3825.42						

Remarks: (1) Estimated from whole project.

This unit was formerly a part of the Halverson area.


R.34W.
Stanley Pk
328
Fairway
483
Cr
13
Hiatt
16
14
Cr
Spar
Lake
143
Cr
499
482
Whoopee
28
Stanley Mt
19
T.29N.
478
325
Stanley
Emma Gul.
25
26
30
Mount Vernon
35
33
513
479
31
324
Cup
Cr
143

13. SPAR LAKE

UNIT Spar Lake (13) FOREST Kootenai

	1938	1939					
Acres Surveyed	4960						
Attacks per Acre	.149						
Percent of Change in Status							
Trees Infested	635						
Percent of Stand Infested on Strip	1.37						
Acres Recommended for Control							
Acres Treated							
Trees Treated							
Cost per Tree							
Total Cost							

Remarks:

UNIT Spar Lake FOREST Kootenai

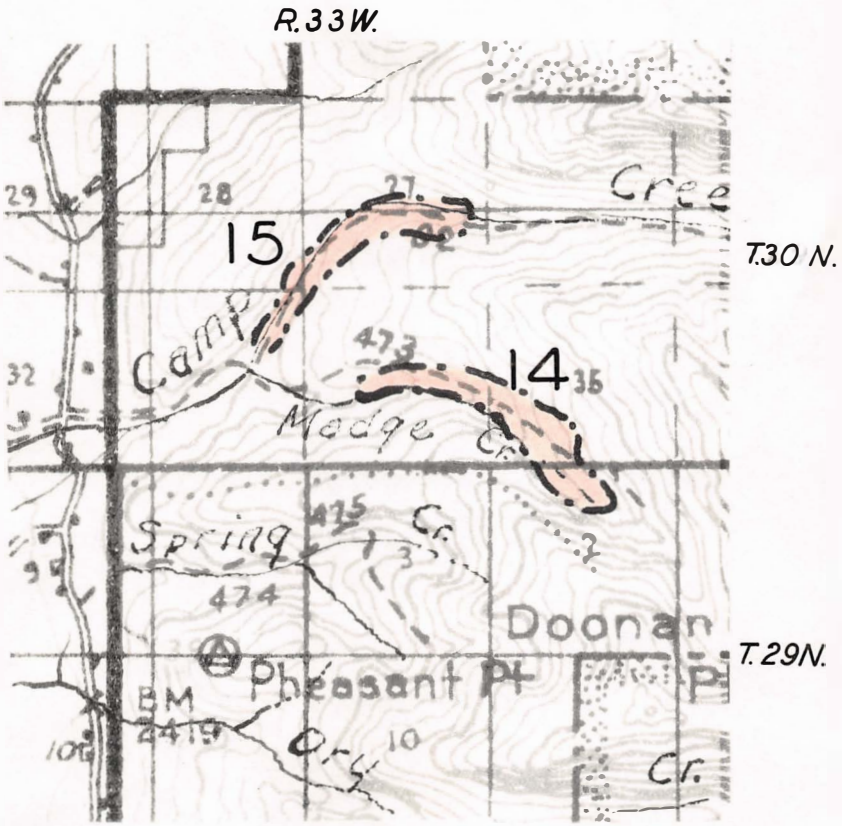
	1930	1931	1932				
Acres Surveyed		2650	2650?				
Attacks per Acre		.023	0				
Percent of Change in Status							
Trees Infested		60	0				
Percent of Stand Infested on Strip							
Acres Recommended for Control							
Acres Treated	2650						
Trees Treated	126						
Cost per Tree							
Total Cost							

Remarks:

UNIT Stanley Creek FOREST Kootenai

	1930	1931	1932	1933			
Acres Surveyed	960	900	1985	1985			
Attacks per Acre		.25	.23	.035			
Percent of Change in Status							
Trees Infested	260	225	456	69			
Percent of Stand Infested on Strip							
Acres Recommended for Control		900	1985				
Acres Treated	1115	1985	1862				
Trees Treated	455	495	283				
Cost per Tree		2.91	4.24				
Total Cost		1545.	1200.				

Remarks:



14. MADGE CR.
15. CAMP CR.

UNIT Madge Creek (14) FOREST Kootenai

	1938	1939					
Acres Surveyed	225						
Attacks per Acre	1.68						
Percent of Change in Status							
Trees Infested	378						
Percent of Stand Infested on Strip	4.3						
Acres Recommended for Control	22.5						
Acres Treated							
Trees Treated							
Cost per Tree							
Total Cost							

Remarks:

UNIT Camp Creek (15) FOREST Kootenai

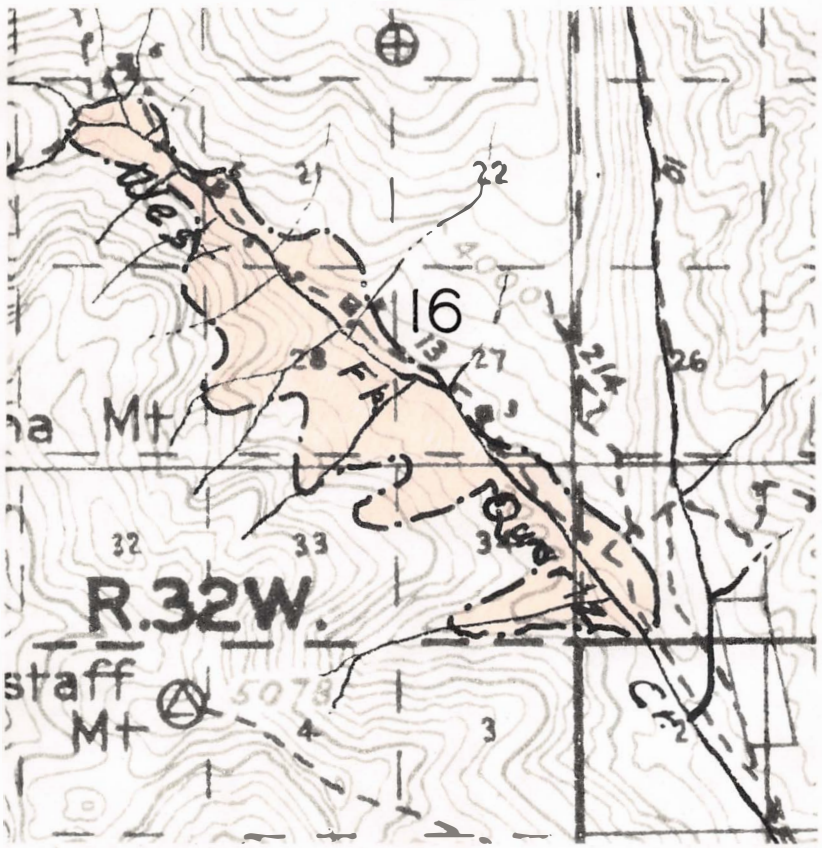
	1938	1939					
Acres Surveyed	225						
Attacks per Acre	.45						
Percent of Change in Status							
Trees Infested	101						
Percent of Stand Infested on Strip	2.6						
Acres Recommended for Control	225						
Acres Treated							
Trees Treated							
Cost per Tree							
Total Cost							

Remarks:

UNIT Camp Creek (15) FOREST Kootenai

	1930			1933			
Acres Surveyed	600			600 ?			
Attacks per Acre				.24			
Percent of Change in Status							
Trees Infested	210						
Percent of Stand Infested on Strip							
Acres Recommended for Control	(1) 600						
Acres Treated							
Trees Treated	Fall 319						
Cost per Tree	4.83						
Total Cost	153/.						

Remarks: F.S. Recommendation



T.32N.

R.32W.

16. WEST FK. QUARTZ CR.

UNIT West Fork Quartz Cr. (16) FOREST Kootenai

	1938	1939					
Acres Surveyed	1400						
Attacks per Acre	.111						
Percent of Change in Status	~~155~~						
Trees Infested	155						
Percent of Stand Infested on Strip	.95						
Acres Recommended for Control							
Acres Treated							
Trees Treated							
Cost per Tree							
Total Cost							

Remarks:

UNIT W. Fk. Quartz Cr. FOREST Kootenai

	1928	1929	1930	1931	1932	1933	1936
Acres Surveyed	6.38		2500	3000	3000		
Attacks per Acre	.41			.13	.04	.06	
Percent of Change in Status							
Trees Infested	450 to 550		285	(2) 390	120		
Percent of Stand Infested on Strip							
Acres Recommended for Control	Recommended			600			
Acres Treated							
Trees Treated	572	(1) 471	276				
Cost per Tree	3.00	4.40					
Total Cost	1716.00	2073.65					

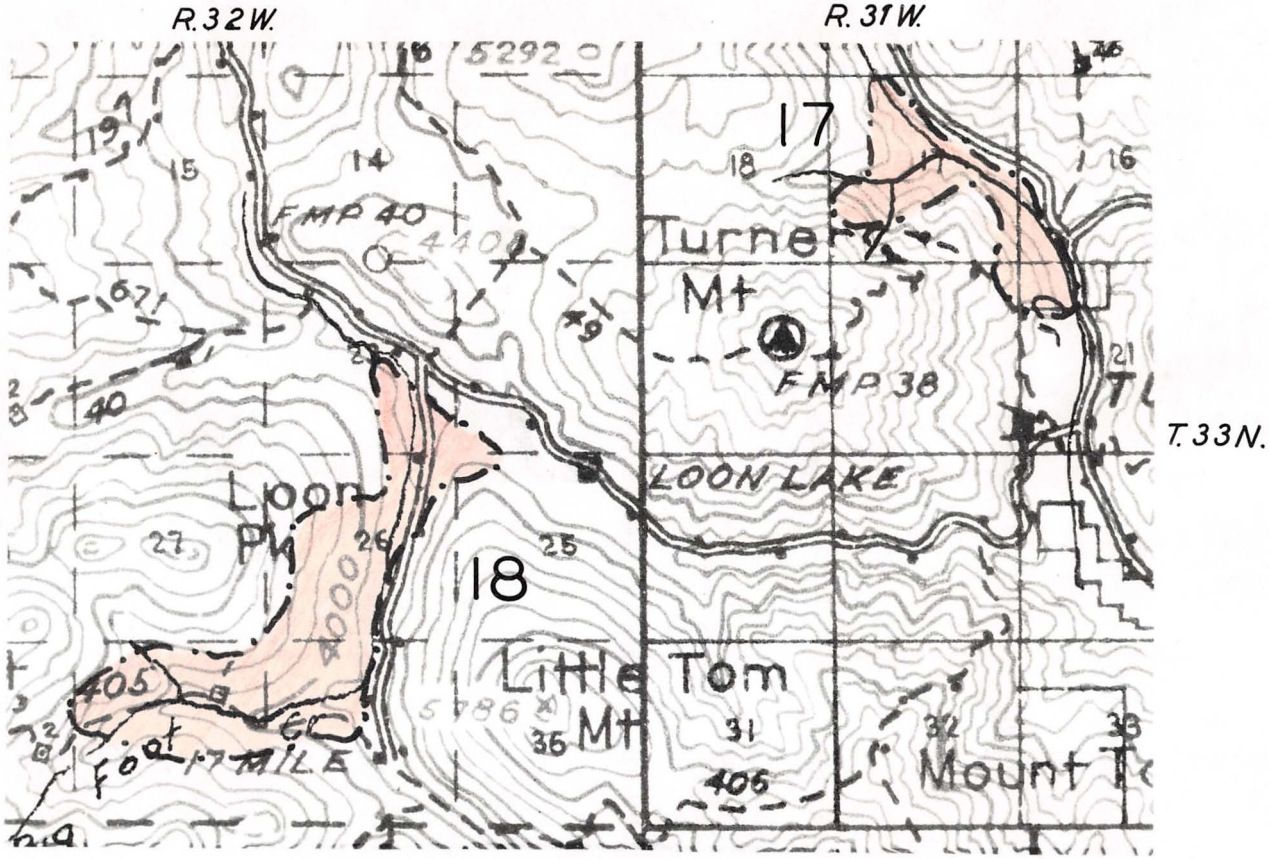
Remarks: (1) 1929 Fall and 1930 Spring

(2) Infestation confined to small area

UNIT Upper Quartz FOREST Kootenai

	1929	1930					
Acres Surveyed		2200					
Attacks per Acre							
Percent of Change in Status							
Trees Infested		120					
Percent of Stand Infested on Strip							
Acres Recommended for Control							
Acres Treated							
Trees Treated	508						
Cost per Tree							
Total Cost							

Remarks:



17. TURNER
18. SEVENTEEN MILE

UNIT Turner (17) FOREST Kootenai

	1938	1939					
Acres Surveyed	800						
Attacks per Acre	None						
Percent of Change in Status							
Trees Infested							
Percent of Stand Infested on Strip							
Acres Recommended for Control							
Acres Treated							
Trees Treated							
Cost per Tree							
Total Cost							

Remarks:

UNIT Seventeen Mile Creek (18) FOREST Kootenai

	1938	1939					
Acres Surveyed	1000						
Attacks per Acre	.021						
Percent of Change in Status							
Trees Infested	21						
Percent of Stand Infested on Strip	.16						
Acres Recommended for Control							
Acres Treated							
Trees Treated							
Cost per Tree							
Total Cost							

Remarks:

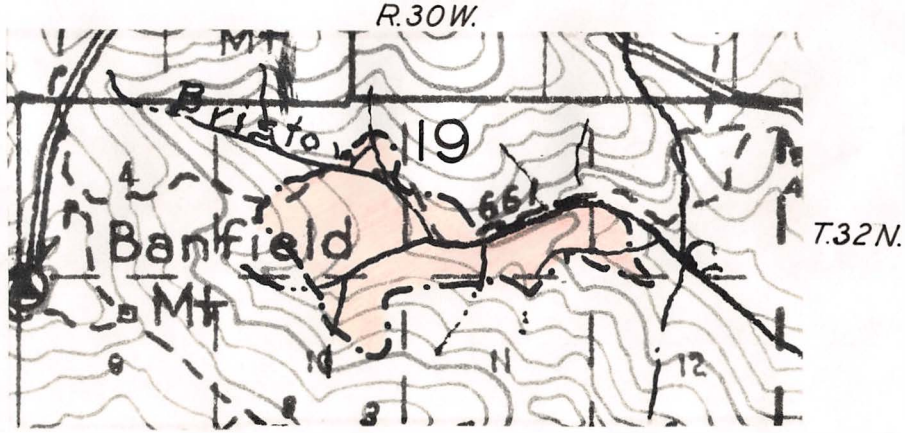
UNIT Seventeen Mile FOREST Kootenai

	1929	1930	1931	1932		1935	
Acres Surveyed		2500	(1) 3650	3650			
Attacks per Acre			.12	.64		(3) .13	
Percent of Change in Status		- 91					
Trees Infested		245	(2) 483	146			
Percent of Stand Infested on Strip							
Acres Recommended for Control			600				
Acres Treated		3060					
Trees Treated	2630	333					
Cost per Tree	3.57						
Total Cost	9405.						

Remarks: (1) Includes Upper Quartz Cr.

(2) Infestation confined to Lost Cr.

(3) Includes Upper Quartz Cr.



19. BRISTOW CR.

UNIT Bristow Creek (19) FOREST Kootenai

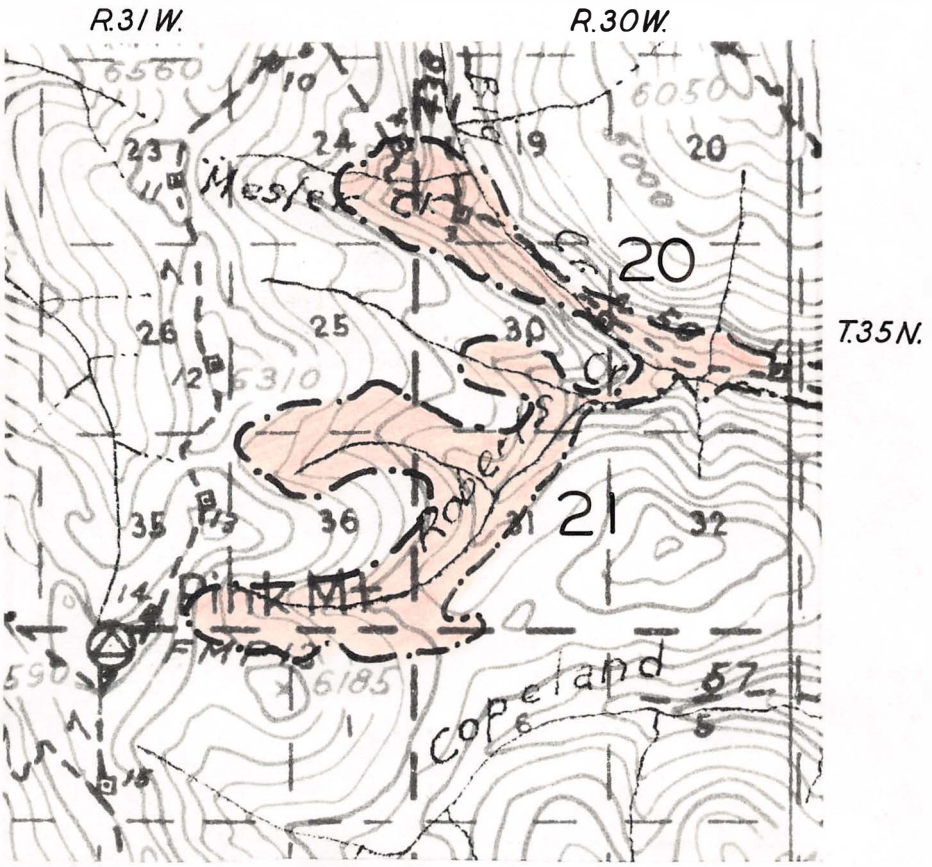
	1938	1939					
Acres Surveyed	1120						
Attacks per Acre	.058						
Percent of Change in Status							
Trees Infested	64						
Percent of Stand Infested on Strip	.28						
Acres Recommended for Control							
Acres Treated							
Trees Treated							
Cost per Tree							
Total Cost							

Remarks:

UNIT Bristow Creek FOREST Kootenai

	1930	1931			1934	1935	
Acres Surveyed	800	990					
Attacks per Acre		.027				.125	
Percent of Change in Status							
Trees Infested	160	26					
Percent of Stand Infested on Strip							
Acres Recommended for Control	(1) 800						
Acres Treated	990				616		
Trees Treated	646				282		
Cost per Tree					6.01		
Total Cost					1694.82		

Remarks: (1) F.S. Rec.



20. N. FK. BIG CR.
21. BIG CR. - ROBERTS FK.

UNIT North Fork Big Creek (20) FOREST Kootenai

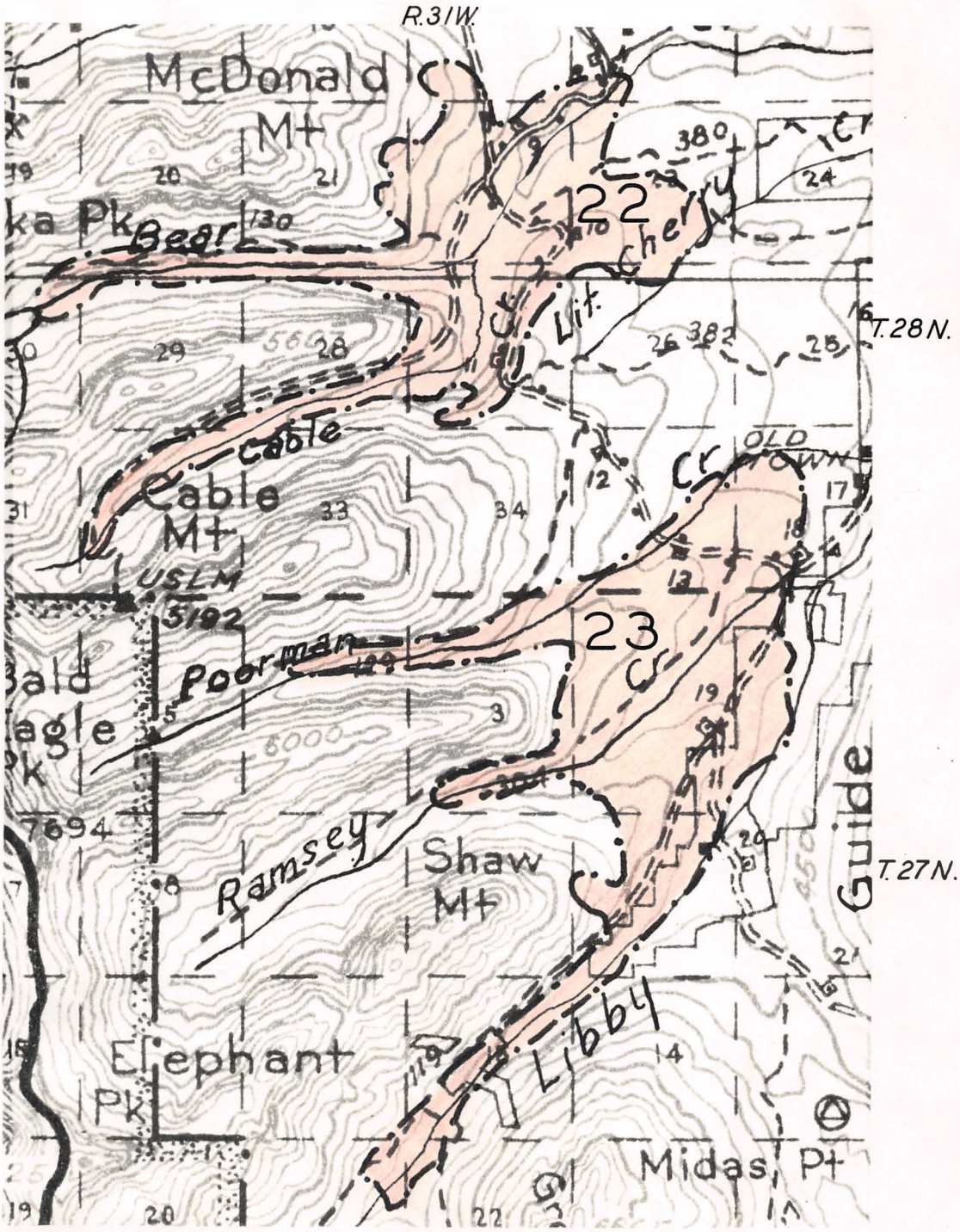
	1938	1939					
Acres Surveyed	640						
Attacks per Acre	.111						
Percent of Change in Status							
Trees Infested	71						
Percent of Stand Infested on Strip	.51						
Acres Recommended for Control							
Acres Treated							
Trees Treated							
Cost per Tree							
Total Cost							

Remarks:

UNIT Big Creek (Roberts Fk) (21) FOREST Kootenai

	1938	1939					
Acres Surveyed	(1) 1040						
Attacks per Acre							
Percent of Change in Status							
Trees Infested	None						
Percent of Stand Infested on Strip							
Acres Recommended for Control							
Acres Treated							
Trees Treated							
Cost per Tree							
Total Cost							

Remarks: (1) Examination - No strip run.



22. BEAR CR.
23. RAMSEY CR.

UNIT Bear Creek (22) FOREST Kootenai

	1938	1939					
Acres Surveyed	2240						
Attacks per Acre	.098						
Percent of Change in Status							
Trees Infested	220						
Percent of Stand Infested on Strip	44						
Acres Recommended for Control							
Acres Treated							
Trees Treated							
Cost per Tree							
Total Cost							

Remarks: This unit has been included as a part of the Libby or Ramsey area at times

UNIT Bear Cr FOREST Kootenai

	1927	1928	1929	1930	1931	1932	
Acres Surveyed				2000	1800	1800	
Attacks per Acre					.04		
Percent of Change in Status							
Trees Infested				60	72	131	
Percent of Stand Infested on Strip							
Acres Recommended for Control				(1) 2000			
Acres Treated				1800			
Trees Treated		407	309	77			
Cost per Tree		$ 2.47	$ 2.77				
Total Cost		1005.29	$ 855.01				

Remarks: (1) Forest recommendation

UNIT Ramsey Creek 23 FOREST Kootenai

	1938	1939					
Acres Surveyed	2560						
Attacks per Acre	.036						
Percent of Change in Status							
Trees Infested	92						
Percent of Stand Infested on Strip	.19						
Acres Recommended for Control							
Acres Treated							
Trees Treated							
Cost per Tree							
Total Cost							

Remarks: This unit now comprises Libby and Poorman creeks

UNIT Libby-Ramsey FOREST Kootenai

	1930	1931	1932	1933		1935	
Acres Surveyed	2200	(2) 2840				-	
Attacks per Acre		.16	0	.09		.20	
Percent of Change in Status							
Trees Infested	530	454	0				
Percent of Stand Infested on Strip							
Acres Recommended for Control	(1) 2200	2840					
Acres Treated	(2) 2840	(3) 3216					
Trees Treated	763	494					
Cost per Tree		3.51					
Total Cost		1734.					

Remarks: (1) F.S. Rec.

(2) Includes Poorman Cr.

(3) Includes Bear Cr.

UNIT Poorman Creek FOREST Kootenai

	1930						
Acres Surveyed	640						
Attacks per Acre							
Percent of Change in Status							
Trees Infested	100						
Percent of Stand Infested on Strip							
Acres Recommended for Control	(1) 640						
Acres Treated							
Trees Treated							
Cost per Tree							
Total Cost							

Remarks: (1) F.S. Rec.

The following units represent small areas of white pine type that have since been logged or are too small and sparsely timbered to warrant an insect survey.

UNIT Burnt Creek FOREST Kootenai

	1930	1931					
Acres Surveyed	950						
Attacks per Acre							
Percent of Change in Status							
Trees Infested	65						
Percent of Stand Infested on Strip							
Acres Recommended for Control							
Acres Treated							
Trees Treated							
Cost per Tree							
Total Cost							

Remarks: No further work in this unit

UNIT Cyclone-Crawford FOREST Kootenai

	1930						
Acres Surveyed	1900						
Attacks per Acre							
Percent of Change in Status							
Trees Infested	0						
Percent of Stand Infested on Strip							
Acres Recommended for Control							
Acres Treated							
Trees Treated							
Cost per Tree							
Total Cost							

Remarks: This Unit will probably be surveyed again in the future

UNIT Granite Creek FOREST Kootenai

	1930						
Acres Surveyed	800						
Attacks per Acre							
Percent of Change in Status							
Trees Infested	28						
Percent of Stand Infested on Strip							
Acres Recommended for Control							
Acres Treated							
Trees Treated							
Cost per Tree							
Total Cost							

Remarks: Very little timber.

UNIT O'Brien Creek FOREST Kootenai

				1927	1928	1929	
Acres Surveyed				3000 Est.	3000		
Attacks per Acre				.43	.62		
Percent of Change in Status							
Trees Infested				1000 to 1500	1500 to 1800		
Percent of Stand Infested on Strip							
Acres Recommended for Control				Control Recommended	Control Recommended		
Acres Treated				Control Recommended Instituted			
Trees Treated				415	1965		
Cost per Tree				$ 4.12	2.46		
Total Cost				$ 1725.70	4833.90		

Remarks: This unit was logged and dropped from survey schedules

UNIT Pine Cr. FOREST Kootenai

	1929	1930					
Acres Surveyed		600					
Attacks per Acre							
Percent of Change in Status							
Trees Infested		65					
Percent of Stand Infested on Strip							
Acres Recommended for Control							
Acres Treated							
Trees Treated	166						
Cost per Tree	5.12						
Total Cost	850.						

Remarks: No further work was ever done in this area.

UNIT Leigh Creek FOREST Kootenai

	1930						
Acres Surveyed	220						
Attacks per Acre							
Percent of Change in Status							
Trees Infested	8						
Percent of Stand Infested on Strip							
Acres Recommended for Control							
Acres Treated							
Trees Treated							
Cost per Tree							
Total Cost							

Remarks: Poor area - of only a narrow stringer of timber along the creek.

INSECT SURVEY UNITS
OF THE
KOOTENAI NATIONAL FOREST

1. Pete Creek
2. Spread Creek
3. North Meadow Creek
4. South Meadow Creek
5. Star Creek
6. Ruby Creek
7. North Callahan Creek
8. South Callahan Creek
9. North Fork Keeler Creek
10. Lower Keeler Creek
11. Upper Keeler Creek
12. Benning Creek
13. Spar Lake
14. Madge Creek
15. Camp Creek
16. West Fork Quartz Creek
17. Turner
18. Seventeen Mile
19. Bristow Creek
20. North Fork Big Creek
21. Big Creek - Roberts Creek
22. Bear Creek
23. Ramsey Creek

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
F. A. SILCOX, CHIEF
T. W. NORCROSS, CHIEF, DIVISION OF ENGINEERING

KOOTENAI NATIONAL FOREST
MONTANA AND IDAHO
PRINCIPAL MERIDIAN, MONTANA
AND
BOISE MERIDIAN, IDAHO
1935

Scale 1 0 1 2 3 4 5 Miles

Compiled at Regional Office, Missoula, from U. S. G. S., G. L. O., Forest Service and other surveys 1934.
Traced at Regional Office 1935.

LEGEND

- National Forest boundary
- Adjacent National Forest boundary
- Good motor road
- Poor motor road
- Trail
- Railroad
- Telephone line
- Telephone line along road
- Telephone line along trail
- Supervisor's headquarters
- District Ranger station
- Guard or Ranger station
- Permanent lookout station
- Patrol lookout point
- Triangulation station
- Triangulation station and permanent lookout station
- House, cabin or other building
- National Forest land

Since the area of National Forest land is subject to change, this information is not guaranteed as absolutely correct to date.

Longitude west from Greenwich

Polyconic Projection
North American datum

ENGINEER REPRODUCTION PLANT, U. S. ARMY, FORT HUMPHREYS, D. C. 11906
1935